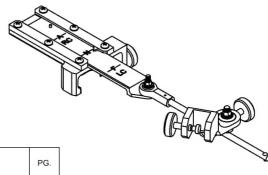


	REVISIONS .					
REV	DESCRIPTION	DATE	INITIAL APPROVED			



									¬
ASSY QTY	ASSY QTY	В/О	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	
1			-1	1	BASE	6061	1-3/8 X 3-1/4 X 4-7/8	3	1
			-3	1	RAIL - POINTER	6061	3/8 X 5/8 X 4-3/8	4	1
			-5	1	RAIL	6061	3/8 X 5/8 X 4-3/8	5	1
			-7	1	ROD BLOCK	S.S.	7/8 X 1-3/8 X 1-1/2	6]
			-9	1	SLIDE	6061	1/2 X 1-3/8 X 7-1/8	7	
			-11	1	PAD	.030 NYLON M.D. (GREY) ADHESIVE BACKED	.030 X 2 X 4-3/4	8	
			-13	1	SIDE PAD	.030 NYLON M.D. (GREY) ADHESIVE BACKED	.030 X 3/8 X 1	8	1
			-15	1	SPACER	DOM TUBE	Ø3/8 X .058 WALL X 1/4	9	1
	Х		-17	1	BLOCK ASSEMBLY			10	1
	1		-19		ANGLE BLOCK	6061	1-1/2 X 2 X 3	11	1
X			-21	1	ROD ASSEMBLY			12	1
1			-23		ROD	1018	Ø1/4 X 6-5/8	13	1
1		B/O	-25		ROD END	STEEL	AIRCRAFT SPRUCE # REPB3N	12	1
1		B/O	-27		SPRING PIN	STEEL	Ø1/16 X 3/8 MCMASTER-CARR #98296A023	12	1
		B/O	-29	1	RIVET	ALUMINUM	SPENCER AIRCRAFT #MS20470A3-5	1	1
	1	B/O	-31		BEARING	STEEL	KSP-4-A FS428	10	1
		В/О	-33	6	SCREW	STEEL	8-32 X 3/8 MCMASTER-CARR #90272A192	1	
		В/О	-35	6	WASHER	STEEL	#8 MCMASTER-CARR #91113A009	1	1
		B/O	-37	1	RIVET	ALUMINUM	SPENCER AIRCRAFT MS20470A3-4	1	
		В/О	-39	1	SCREW	STEEL	10-32 X 1 MS24694-S58	1	TITLE
		B/O	-41	1	WASHER	STEEL	#10 MCMASTER-CARR #95229A380	1	1
		B/O	-43	1	NUT	STEEL	10-32 AIRCRAFT SPRUCE MS21042-L3	1	DWG NO
		В/О	-45	2	KNOB	STEEL	1/4-20 CARR LANE #CL-17-SHS	1	MATU
		B/O	-47	1	KNOB	STEEL	1/4-20 CARR-LANE #CL-2-SHS	1	MAT'L
		B/O	-49	1	BOLT	STEEL	1/4-28 X 1 AIRCRAFT SPRUCE NAS6604-9	1	.xxx
		В/О	-51	2	WASHER	STEEL	1/4 MCMASTER-CARR #95229A430	1	.xx
		В/О	-53	1	NUT	STEEL	1/4-28 AIRCRAFT SPRUCE MS21042-L4	1	1. BREA
		В/О	-55	2	HELICOIL	S.S.	1/4-20 X 1/4 HELICOIL MCMASTER-CARR #91732A368	1	OR .0 2. DIME
-21 ASSY	-17 ASSY								SCALE

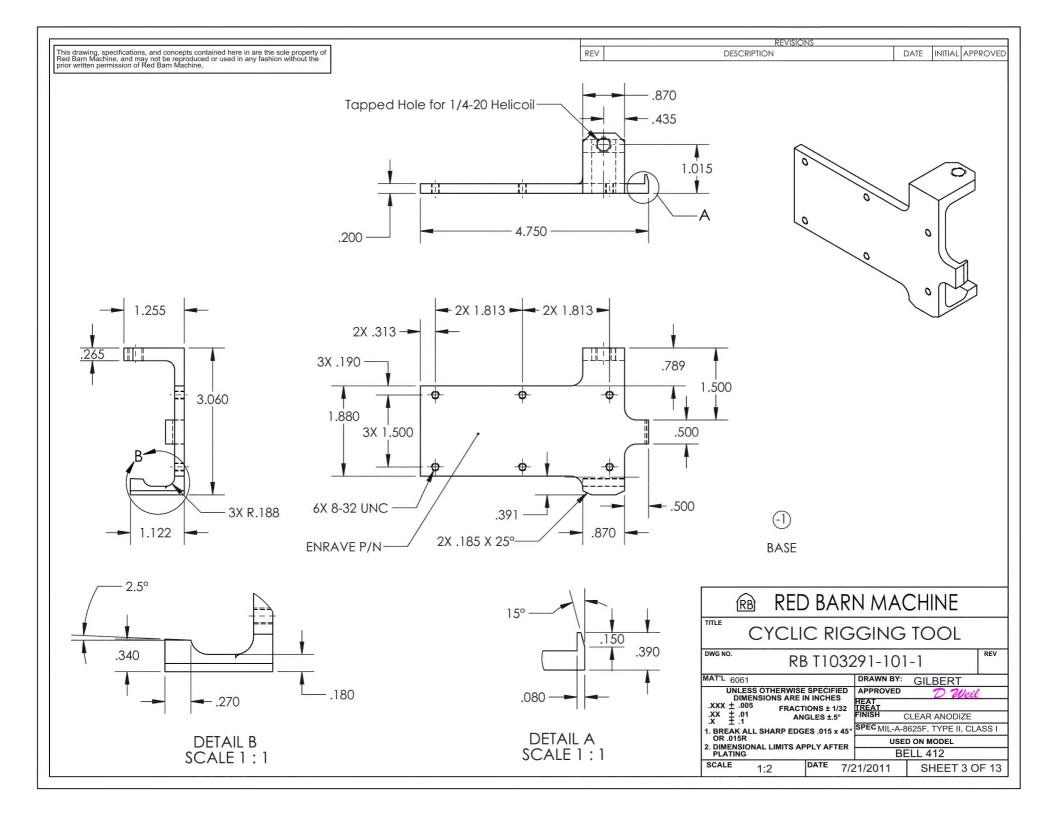
® RED BARN MACHINE

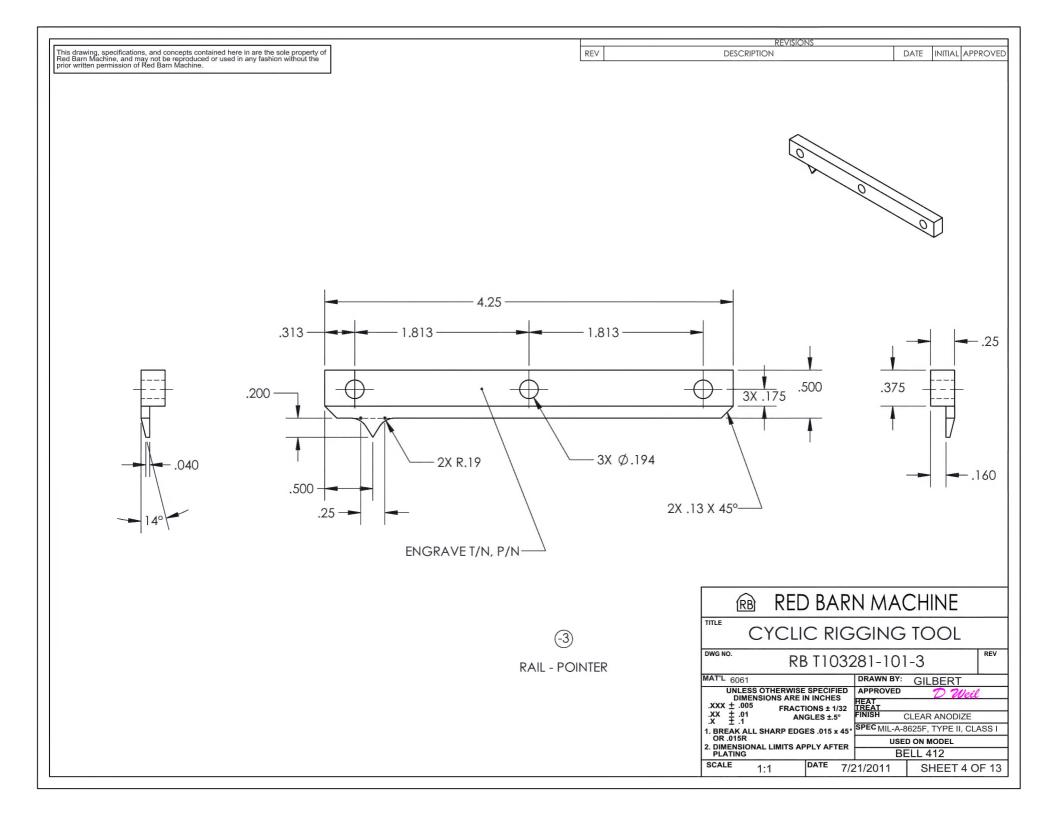
CYCLIC RIGGING TOOL

REV

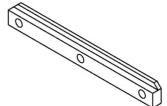
MAT'L

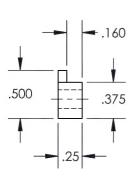
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .01
.XX ± .01
.X ± .01
.X = .01
.X =

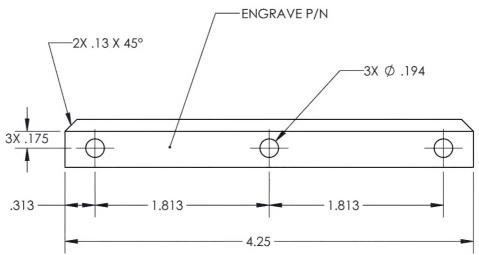




REVISIONS
REV DESCRIPTION DATE INITIAL APPROVED





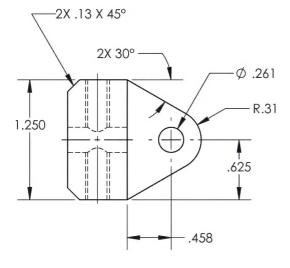


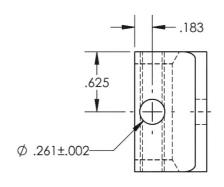
(-5)

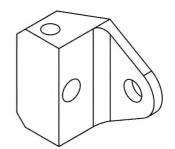
RAIL

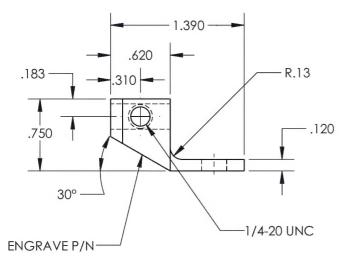
® RED BARN MACHINE						
CYCLIC RIGGING TOOL						
RB T103281-101-5						
MAT'L 6061		DRAWN BY: GILBERT				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED D Weil				
.XXX ± .005 FRACTIONS ± 1/	32	TREAT				
XX ± .01 ANGLES ±.5	0	FINISH C	LEAR ANODIZE			
1. BREAK ALL SHARP EDGES .015 x	45°	SPEC MIL-A-8625F, TYPE II, CLASS I				
OR .015R 2. DIMENSIONAL LIMITS APPLY AFT		USED ON MODEL				
PLATING	EK	BELL 412				
SCALE 1.1 DATE	7/2	1/2011	SHEET 5.0)F 13		

	REVISIONS					
REV	DESCRIPTION	DATE	INITIAL	APPROVED		



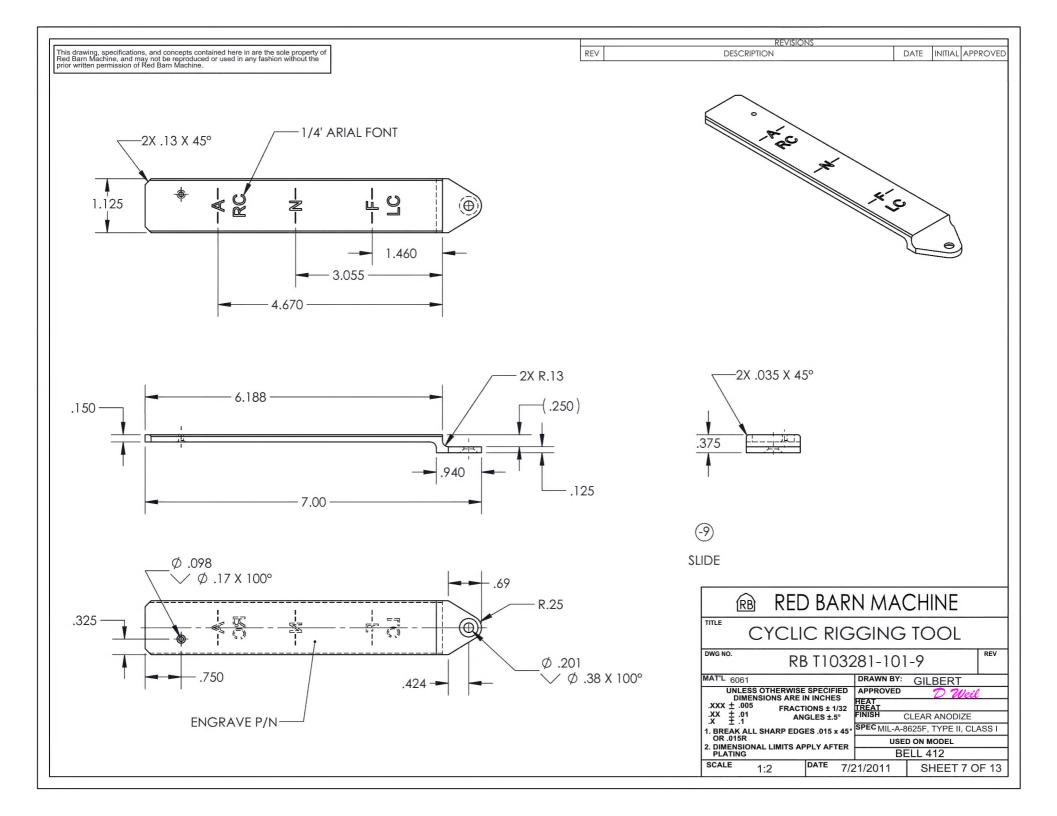


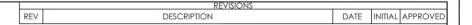


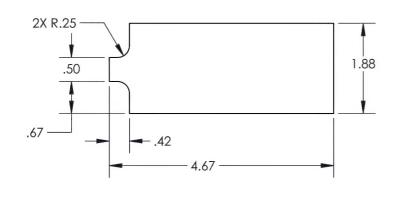


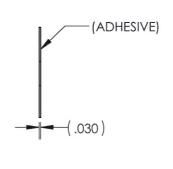
(-/) ROD BLOCK

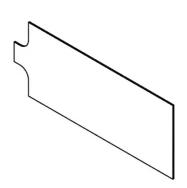
® RED	BAR	N MAC	CHINE			
CYCLIC RIGGING TOOL						
	T1032	281-101	-7	REV		
MAT'L S.S.		DRAWN BY: GILBERT				
UNLESS OTHERWISE : DIMENSIONS ARE IN		APPROVED D Weil				
WWW + DOE	ONS ± 1/32	HEAT TREAT				
VV ± 04	LES ±.5°	FINISH				
1. BREAK ALL SHARP EDGE	S .015 x 45°	SPEC				
OR .015R 2. DIMENSIONAL LIMITS APP	N V AFTED	USED ON MODEL				
PLATING	'LI APIEK	BELL 412				
SCALE 1:1	DATE 7/	19/2011	SHEET 6 C	F 13		



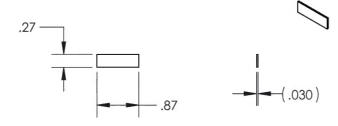








PAD



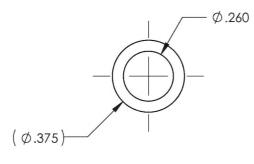
SIDE PAD

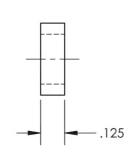
<u>NOTE</u> MATERAIL: .030 NYLON M.D. (GREY) ADHESIVE BACKED

® RED	BARI	N MAC	CHINE				
CYCLIC RIGGING TOOL							
DWG NO. RB T1	03281-	101-11	&-13	REV			
MAT'L SEE NOTE		DRAWN BY:	GILBERT				
UNLESS OTHERWISE		APPROVED	D Weil	?			
VVV + ODE		HEAT TREAT					
VV ± 64	GLES ±.5°	FINISH					
1. BREAK ALL SHARP EDG	E\$.015 x 45°	SPEC					
OR .015R 2. DIMENSIONAL LIMITS AR	DI V AETED	USED ON MODEL					
PLATING							
SCALE 1:2	DATE 7/2	21/2011	SHEET 8 C	F 13			

Ī	REVISIONS					
	REV	DESCRIPTION	DATE	INITIAL	APPROVED	





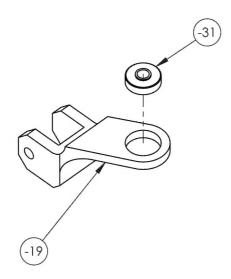


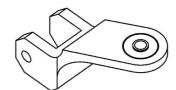
(-15)

SPACER



	REVISION\$			
REV	DESCRIPTION	DATE	INITIAL	APPROVED





NOTES:

- 1. PRESS BEARING -31 INTO ANGLE BLOCK -19,
- CENTERING BEARING IN ANGLE BLOCK.

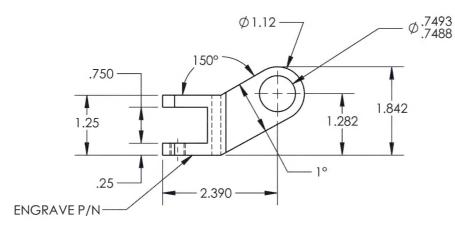
 2. USE TOOL RB T103281-STAKE TO STAKE BEARING IN PLACE, BOTH SIDES.

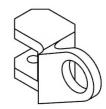
	RB	RED	BAI	21	N MAC	CHINE	
TITLE	C	YCLI	C RIG	G	GING	TOOL	
DWG NO.		RB	T103	2	81-101-	-17	REV
MAT'L					DRAWN BY:	GILBERT	
U		OTHERWISE SIONS ARE I		D	APPROVED	D Weit	?
.xxx ±			IONS ± 1/3	,	HEAT TREAT		
.xx =	E .01		GLES ±.5°	-	FINISH		
_	_	SHARP EDG	ES .015 x 4	15°	SPEC		
OR .0		AL LUMITO AD	DIV AFTE	-	USEI	ON MODEL	
PLAT		AL LIMITS AP	PLT AFIE	ĸ	BE	LL 412	
SCALE		1.0	DATE -	7/2	22/2011	SHEET 10.0)F 13

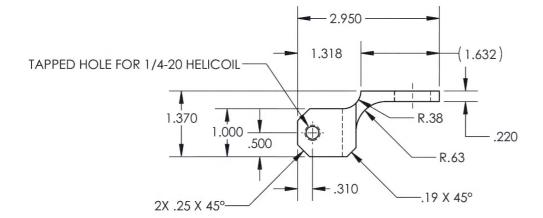


BLOCK ASSEMBLY

REVISIONS					
	REV	DESCRIPTION	DATE	INITIAL	APPROVED





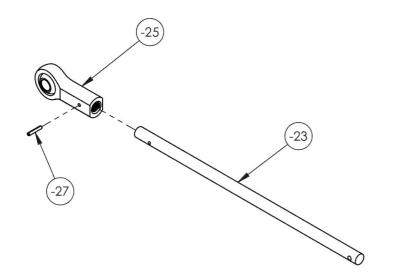


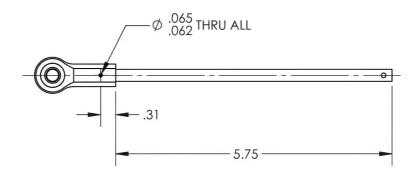
(-19)

ANGLE BLOCK

® RED BARN MACHINE							
CYCLIC RIGGING TOOL							
DWG NO. RB T103291-101-19							
MAT'L 6061	DRAWN BY:	GILBERT					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED 7 Weil						
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT						
.XX ± .01 ANGLES ±.5°	FINISH CLEAR ANODIZE						
1. BREAK ALL SHARP EDGES .015 x 45°	SPEC MIL-A-8625F, TYPE II, CLASS I						
OR .015R	USED ON MODEL						
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	BELL 412						
SCALE 1:2 DATE 7/	COALE DATE						

	REVISIONS					
REV	DESCRIPTION	DATE	INITIAL	APPROVED		





(-21)

ROD ASSEMBLY

® RED BARN MACHINE				
CYCLIC RIGGING TOOL				
RB T103281-101-21				
MAT'L DRAWN BY: GILBERT				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/3: .XX + .01 ANGLES ±.5°	HEAT	D Weil	?	
1. BREAK ALL SHARP EDGES .015 x 45° SPEC				
OR .015R 2. DIMENSIONAL LIMITS APPLY AFTE	USE	USED ON MODEL		
PLATING	` BE	BELL 412		
SCALE 1:2 DATE 7	//22/2011	SHEET 12 (OF 13	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine. REV DATE INITIAL APPROVED DESCRIPTION -1/4-28 Ø .098 Ø.250±.002 1.10 .18 6.50 RED BARN MACHINE TITLE CYCLIC RIGGING TOOL

ROD

TITLE

CYCLIC RIGGING TOOL

DWG NO.

RB T103281-101-23

MAT'L 1018

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

.XXX ± .005

.XX ± .015

ANGLES ± .5°

OR .015R

2. DIMENSIONAL LIMITS APPLY AFTER PLATING

SCALE

1:2

PATE

T/19/2011

REV

APPROVED

PHATT

APPROVED

HEAT

TREAT

FIRST

USED ON MODEL

BELL 412

SCALE

SCALE

1:2

DATE

T/19/2011

SHEET 13 OF 13